Cooling systems for Smart Welder Plus and Power Welder



ORBICAR W trolley with integrated liquidcooling

ORBICAR W cart with integrated liquid cooling

Thanks to its integrated liquid cooling function, the ORBICAR W cart is the perfect complement to Orbitalum power sources. Beside the liquid cooling, the cart is equipped with a practical holder for gas bottles. On delivery the tank already includes 8 liters (2.11 gal) of the OCL-30 cooling liquid.

TECHNICAL SPECIFICATIONS	ORBICAR W trolley
Input voltage	400 V, 50 Hz, 3-phase
Rated output	450 VA
Cooling type	Circulation cooling
Tank volume	8 l/2.11 gal
Water pressure max.	3.1 bar / 45 PSI
Dimensions (LxDxH)	96 x 54 x 113 cm / 37.8 x 21.3 x 44.5 in
Dimensions storage area (LxDxH)	65 x 38 x 65 cm / 26.6 x 15 x 26.6 in

ITEM	SUITABLE FOR POWER SUPPLY	CODE	KG
ORBICAR W 300 trolley	Power Welder	**884 000 002**	58.200
ORBICAR W 180 trolley	Smart Welder Plus	**884 000 005**	58.200

* ORBIMAT 165 power source must be modified in the factory.



ORBICOOL Active (front view)

ORBICOOL Active

Very efficient compressor cooling device. Particularly suitable for welding units in series production.

Including:
- Stainless steel housing
- Adjustable digital thermostat with temperature hysteresis
- Low-noise
- Metal filter cell
- Water level indicator
- Pump protection
- Flow rate monitoring in combination with Smart Welder Plus and Power Welder welding power supplies

2 canisters each 3.5 liters (0.92 gal) are included in the scope of delivery of the OCL-30 cooling liquid. Suitable for all* Smart Welder Plus and Power Welder orbital welding power supplies. Not usable in combination with the ORBICAR S trolley.



ORBICOOL Active (rear view)

TECHNICAL SPECIFICATIONS	ORBICOOL ACTIVE
Cooling (at ambient temp. +32 °C/water +20 °C)	1.025 kW / 1.37 hp
Setting range inlet temperature	18 - 25 °C
Input voltage	230 V, 50 Hz
Connected load (at ambient temp. +42 °C/water +20 °C)	900 W / 1.21 hp
Maximum current consumption (depending on the design)	4.6 A
Tank volume	6 l/1.59 gal
Water pressure max.	2.2 bar
Pump output	2.3 l/min
Air output	800 m^3/h
Sound pressure	65 dB(A)
Cooling type	Compressor cooling
Dimensions (LxDxH)	560 x 475 x 355 mm / 22.0 x 18.7 x 14.0 in

ITEM	VERSION	CODE	KG
ORBICOOL Active for ORBIMAT 300	230 V, 50 Hz	**889 000 012**	42.000
ORBICOOL Active for ORBIMAT 180 SW	230 V, 50 Hz	**889 000 015**	42.000

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Other accessories for Mobile Welder, Smart Welder Plus and Power Welder

Welding current connection adapter set



Welding current connection adapter set

ORBITWIN SW Switching Unit

To increase productivity, the ORBITWIN Switching Unit is available which allows the alternately operation with 2 weld heads on the Smart Welder Plus/Power Welder.
By pressing the respective Start button of the used weld head the previously assigned program is called up from the memory. The respective weld head which is not being used is locked and can be prepared for the next welding task in advance.

Incl. all connecting lines and hoses.



ORBITWIN SW Switching Unit

ITEM	SUITABLE FOR POWER SUPPLY	CODE	KG
ORBITWIN SW Switching Unit	Smart Welder Plus, Power Welder	**853 000 001**	15.00

ORBICAR S cart

The ORBICAR S is a practical cart with shelf and fastening possibility for a gas bottle and the ideal supplement for the Smart Welder Plus power sources.

Not usable in combination with ORBICOOL Active compressor cooling unit.

TECHNICAL SPECIFICATIONS	ORBICAR S CARRIAGE
Dimensions (LxDxH)	96 x 54 x 113 cm/37.8 x 21.3 x 44.5"
Dimensions storage area (LxDxH)	65 x 38 x 65 cm/26.6 x 15 x 26.6"



ORBICAR S carriage

ITEM	CODE	KG
ORBICAR S carriage	**884 000 001**	19.100

Rugged transport case

With roles. Protects the power source during transport. Ideal for construction site usage.



Smart Welder Plus transport case

ITEM	SUITABLE FOR POWER SUPPLY	CODE	KG
Smart Welder Plus transport case	Smart Welder Plus	**850 030 020**	18.700

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USB WLAN stick

USB WLAN stick

The USB WLAN stick can be used to wirelessly connect a power source from the Mobile Welder, Smart Welder Plus or Power Welder series to a network.

- Requires software version 2.4.0 or higher

ARTIKEL	CODE	KG
USB WLAN stick, ORBITALUM	**850 030 015**	0,008



Remote control with cable

Remote control with cable

Suitable for all Smart Welder Plus and Power Welder orbital welding power supplies.
It is not required when working with enclosed orbital weld heads.

ITEM	CABLE LENGTH [M]	CABLE LENGTH [INCH]	CODE	KG
Remote control with cable	7.5	24.6	**875 050 001**	1.350



Bar code/QR code scanner

Bar code/QR code scanner

Compatible with the Mobile Welder, Smart Welder Plus und Power Welder power supplies.
For welding data documentation or recording.
Rapid scanning in of the parameters stored in the bar code/QR code (e.g. weld seam number, isometry number, welder ID, etc.) into the power source.

ITEM	CODE	KG
Bar code/QR code scanner	**850 030 005**	0.250

Consumables for Mobile Welder, Smart Welder Plus and Power Welder

Replacement paper rolls and ribbon cartridges

For internal system printer.

1 paper roll and 1 ribbon cartridge (only SW) are already included in the scope of delivery of the ORBIMAT/Smart Welder Plus power sources.

ITEM	CODE	KG
Plain paper rolls, pack of 3	**875 050 017**	0.150
Ribbon cartridge, dot matrix printer	**875 030 004**	0.010
Thermal paper rolls, pack of 3	**854 030 001**	0.150



Replacement paper rolls and ribbon cartridges

OCL-30 cooling liquid

Anti-freeze pre-mix for Orbitalum power sources and cooling units to prevent the cooling water from freezing. Protects up to –30 °C (-22 °F) outside temperature. Increased service life of components of the cooling system through very high corrosion protection and high pH-value. Excellent ignition characteristics due to low conductivity. Clear cooling liquid.

Usable with ORBICAR W, Smart Welder Plus, ORBICOOL Active and ORBICOOL MW.

ITEM	VERSION	CODE	KG
OCL-30 cooling liquid	Canister each 3.5 l (0.92 gal)	**850 030 010**	3.715



OCL-30 cooling liquid

Hose connection set Mobile Welder/Smart Welder Plus/ Power Welder

1 connection set is already included in the scope of delivery of the Mobile Welder/Smart Welder Plus/Power Welder power sources.

Consisting of every hose and connection piece required for operation.

ITEM	CODE
Hose connection set SW/PW EU	**850 050 019**
Hose connection set SW/PW US	**850 050 021**
Hose connection set MW EU	**854 030 003**
Hose connection set MW US	**854 030 004**
Hose connection set MW	**854 030 003**



Other accessories for orbital welding

- ESG electrode grinders
- ORBmax residual oxygen meter
- ORBIPURGE forming set
- Double pressure reducer
- WS2 tungsten electrodes
- TIG manual torch for Mobile Welder/Smart Welder Plus/Power Welder
- Welding current connection adapter set